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NOTICE OF ALLOWANCE AND FEE(S) DUE

52349

7590

10/07/2008

WENDEROTH, LIND & PONACK L.L.P. 2033 K. STREET, NW SUITE 800 WASHINGTON, DC 20006 EXAMINER
SHANKAR, VIJAY
ART UNIT PAPER NUMBER

2629 DATE MAILED: 10/07/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/561.922	12/22/2005	Toshikazu Wakabayashi	2005-2027A	3065

TITLE OF INVENTION: PLASMA DISPLAY APPARATUS AND DRIVING METHOD THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/07/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS; This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

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SUITE 800 WASHINGTON	J. DC 20006		trans	mitted to the USPT	O (571) 273-2885, on the	date indicated below.	
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						(Signature)	
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/561,922 TITLE OF INVENTION	12/22/2005 I: PLASMA DISPLAY A	PPARATUS AND DRIV	Toshikazu Wakabayashi VING METHOD THEREO	F	2005-2027A	3065	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/07/2009	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
SHANKA	R, VIJAY	2629	345-060000				
1. Change of correspond CFR 1.363).	ence address or indication	of "Fee Address" (37	2. For printing on the pa		4		
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3. ASSIGNEE NAME A	ND RESIDENCE DATA	TO BE PRINTED ON	THE PATENT (print or typ	e)			
PLEASE NOTE: Un recordation as set fort	less an assignee is identi h in 37 CFR 3.11. Comp	fied below, no assignee letion of this form is NO	data will appear on the pa T a substitute for filing an a	itent. If an assigne	e is identified below, the	document has been filed for	
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Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co	rporation or other private g	roup entity 🖵 Government	
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4a. The following fee(s) Issue Fee	are submitted:	41	 Payment of Fee(s): (Plea A check is enclosed. 	se tirst reapply an	y previously paid issue te	e snown above)	
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interest as shown by the	records of the United Sta	es Patent and Trademark	Office.			F	
Authorized Signature				Date			
Typed or printed name			Registration No.				
This collection of inform	nation is required by 37 C	FR 1.311. The information	on is required to obtain or re	etain a benefit by th	ne public which is to file (an	nd by the USPTO to process)	
an application. Confiden	tiality is governed by 35 d application form to the	U.S.C. 122 and 37 CFR USPTO. Time will vary	1.14. This collection is estimated depending upon the individual	imated to take 12 m idual case. Any con	ninutes to complete, includ mments on the amount of	ing gathering, preparing, and ime you require to complete partment of Commerce, P.O. r for Patents, P.O. Box 1450,	
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10/561,922 12/22/2005		Toshikazu Wakabayashi	2005-2027A	3065	
52349 75	590 10/07/2008	EXAMINER			
WENDEROTH,	LIND & PONACK I	SHANKA	R, VIJAY		
2033 K. STREET,	NW	ART UNIT	PAPER NUMBER		
SUITE 800 WASHINGTON, I	C 20006	2629			
WASHINGTON, DC 20000			DATE MAILED: 10/07/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 593 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 593 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
	10/561,922	WAKABAYASHI ET	- ΔΙ				
Notice of Allowability	Examiner	Art Unit	/ L.				
	VIJAY SHANKAR	2629					
	VIJAY SHANKAR	2029					
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED if or other appropriate comm IGHTS. This application is	n this application. If not includ unication will be mailed in due	ed course. THIS				
1. This communication is responsive to <u>12/22/2005</u> .							
2. The allowed claim(s) is/are <u>1-11</u> .							
 3. Acknowledgment is made of a claim for foreign priority units a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		or (f).					
Certified copies of the priority documents have	e been received in Applicati	on No					
Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage applica	ation from the				
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the re	quirements				
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF				
5. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.						
(a) ☐ including changes required by the Notice of Draftspers	(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date							
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of				
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the				
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Ir	nformal Patent Application					
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),					
3. Information Disclosure Statements (PTO/SB/08),	Paper No. 7.	./Mail Date s Amendment/Comment					
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Alle	owance				
of Biological Material	9.	<u>_</u> .					
/VIJAY SHANKAR/							
Primary Examiner, Art Unit 2629							

Application/Control Number: 10/561,922 Page 2

Art Unit: 2629

DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-11 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: The prior arts fails to teach a plasma display apparatus comprising: an AC plasma display panel formed with a plurality of scan electrodes and a plurality of sustain electrodes, an electrode array comprised of two scan electrodes and two sustain electrodes arrayed in this order being one unit, a plurality of priming electrodes each opposed to an adjacent scan electrode, and a plurality of data electrodes extending in such a direction as to cross the scan electrodes and the sustain electrodes, first driving means for adjusting wall charges of the scan electrodes and the sustain electrodes, between which sustain discharges were generated in the previous subfield, during each set-up period, second driving means for, during each address period, applying write pulses to the scan electrodes having the wall charges thereof adjusted by the first driving means to generate priming discharges between the scan electrodes and the priming electrodes, and applying write pulses to the data electrodes to generate write discharges utilizing the priming discharges, and third driving means for, during each sustain period, causing sustain discharges to be generated between the scan electrodes caused to generate the write discharges by the second driving means and the sustain electrodes to accumulate positive charges in the scan electrodes and negative charges in the sustain electrodes after the sustain discharges, wherein the first driving means

Application/Control Number: 10/561,922 Page 3

Art Unit: 2629

replaces parts toward the sustain electrodes of the positive charges in the scan electrodes accumulated by the third driving means by negative charges and replaces parts toward the scan electrodes of the negative charges in the sustain electrodes accumulated by the third driving means by positive charges as claimed in Claims 1 and 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571) 272-7682. The examiner can normally be reached on M-F 7:30 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MICHAEL RAZAVI can be reached on (571) 272-7664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/561,922 Page 4

Art Unit: 2629

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VIJAY SHANKAR/ Primary Examiner, Art Unit 2629

VS